1633

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RAW SEQUENCE LISTING                    DATE: 03/16/2001
PATENT APPLICATION:  US/09/444,284      TIME: 15:20:35

Input Set : A:\PTO.txt
Output Set: N:\CRF3\03162001\I444284.raw
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ENTERED

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 3 <110> APPLICANT: Vogels, Ronald
 4        Havenga, Menzo
 5        Bout, Abraham
 7 <120> TITLE OF INVENTION: Gene delivery vectors provided with a tissue tropism for smooth muscle
 8        cells, and/or endothelial cells
10 <130> FILE REFERENCE: 2183-4231US
12 <140> CURRENT APPLICATION NUMBER: US 09/444,284
13 <141> CURRENT FILING DATE: 1999-11-19
15 <150> PRIOR APPLICATION NUMBER: EP 98203921.6
16 <151> PRIOR FILING DATE: 1998-11-20
18 <160> NUMBER OF SEQ ID NOS: 24
20 <170> SOFTWARE: PatentIn version 3.0
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RAW SEQUENCE LISTING   DATE: 03/16/2001
PATENT APPLICATION: US/09/444,284   TIME: 15:20:35

Input Set : A:\PTO.txt
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148 <223> OTHER INFORMATION: /note="Knob nucleotide 2"
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Input Set : A:\PTO.txt
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RAW SEQUENCE LISTING   DATE: 03/16/2001
PATENT APPLICATION: US/09/444,284   TIME: 15:20:35

Input Set : A:\PTO.txt
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276 <223> OTHER INFORMATION: Description of Artificial Sequence: primer NY-UP
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286 <213> ORGANISM: Artificial Sequence
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299 <212> TYPE: DNA
300 <213> ORGANISM: Adenoviridae
302 <220> FEATURE:
303 <221> NAME/KEY: misc_feature
304 <223> OTHER INFORMATION: /note="Ad5 chimeric fiber"
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312 gagagtcccc ctggggtact ctctttgcgc ctatccgaac ctctagttac ctccaatggc      180
314 atgcttgcgc tcaaaatggg caacggcctc tctctggacg aggccggcaa ccttacctcc      240
316 caaaatgtaa ccactgtgag cccacctctc aaaaaaacca agtcaaacat aaacctggaa      300
318 atatctgcac ccctcacagt tacctcagaa gccctaactg tggctgccgc cgcacctcta      360
320 atggtcgcgg gcaacacact caccatgcaa tcacaggccc cgctaaccgt gcacgactcc      420
322 aaacttagca ttgccaccca aggacccctc acagtgtcag aaggaaagct agccctgcaa      480
324 acatcaggcc ccctcaccac caccgatagc agtaccctta ctatcactgc ctcacccccct      540
326 ctaactactg ccactggtag cttgggcatt gacttgaaag agcccattta tacacaaaat      600
328 ggaaaaactag gactaaagta cggggctcct ttgcatgtaa cagacgacct aaacactttg      660
330 accgtagcaa ctggtccagg tgtgactatt aataatactt ccttgcaaac taaagttact      720
332 ggagccttgg gttttgattc acaaggcaat atgcaactta atgtagcagg aggactaagg      780
334 attgattctc aaaacagacg ccttatactt gatgttagtt atccgtttga tgctcaaaac      840
336 caactaaatc taagactagg acagggccct ctttttataa actcagccca caacttggat      900
338 attaactaca acaaaggcct ttacttgttt acagcttcaa acaattccaa aaagcttgag      960
340 gttaacctaa gcactgccaa ggggttgatg tttgacgcta cagccatagc cattaatgca     1020
342 ggagatgggc ttgaatttgg ttcacctaat gcaccaaaca caaatccccct caaaacaaaa     1080
344 attggccatg gcctagaatt tgattcaaac aaggctatgg ttcctaaact aggaactggc     1140
346 cttagttttg acagcacagg tgccattaca gtaggaaaca aaaataatga taagctaact     1200
348 ttgtggacca caccagctcc atctcctaac tgtagactaa atgcagagaa agatgctaaa     1260
350 ctcactttgg tcttaacaaa atgtggcagt caaatacttg ctacagtttc agttttggct     1320
352 gttaaaggca gtttggctcc aatatctgga acagttcaaa gtgctcatct tattataaga     1380
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356 agaaatggag atcttactga aggcacagcc tatacaaacg ctgttggatt tatgcctaac     1500
358 ctatcagctt atccaaaatc tcacggtaaa actgccaaaa gtaacattgt cagtcaagtt     1560
360 tacttaaacg gagacaaaac taaacctgta acactaacca ttacactaaa cggtacacag     1620
362 gaaacaggag acacaactcc aagtgcatac tctatgtcat tttcatggga ctggtctggc     1680
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366 gaataa                                                              1746
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376 <223> OTHER INFORMATION: /note="Ad5/fib12 chimeric fiber"
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382 <223> OTHER INFORMATION: n can be any nucleotide
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390 aaaccaccag gtgtattagc acttaattac aaagacccca ttgtaactga aaatggaacc      180
392 cttacactca agctagggga cggaataaaa cttaatgccc aaggtcaact tacagctagt      240
394 aataatatca atgttttgga gccccttacc aacacctcac aaggtcttaa actttcttgg      300
396 agcgcccccc tagcagtaaa ggctagtgcc ctcacactta acacaagagc gcccttaacc      360
398 acaacggatg aaagcttagc cttaataacc gcccctccca ttacagtaga gtcttcgcgt      420
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              VERIFICATION SUMMARY                    DATE: 03/16/2001
              PATENT APPLICATION:   US/09/444,284     TIME: 15:20:36

              Input Set : A:\PTO.txt
              Output Set: N:\CRF3\03162001\I444284.raw

L:442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
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